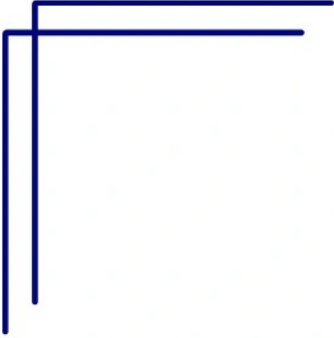




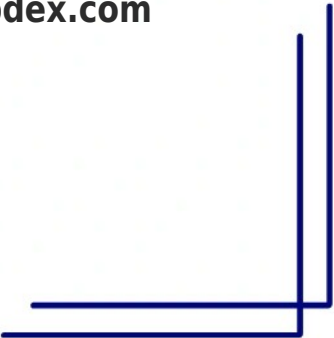
LABdex



Automatic Refractometer LX110AR



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Description

Automatic Refractometer LX110AR is a high-precision refractometer with advanced CCD sensing and temperature control, ideal for accurate Brix and refractive index measurements in various liquids. It has refractive index range of 1.30000 - 1.70000, with a resolution of 0.0001 making it accurate. A sapphire prism and LED gives clear vision and increases efficiency. The brix measurement range of 0 - 100 % offers sugar content or any customised test concentration analysis.

Specifications

Measuring range	1.30000 - 1.70000 (nD)
Resolution	0.0001 (nD)
Precision	± 0.0002
Brix range	0 - 100 % (Brix)
Brix accuracy	± 0.1 % (Brix)
Test mode	Refractive index / sugar content or customised
Temperature control method	No
Temperature range	Room temperature
Temperature stability	Room temperature
Light source	LED
Wavelength	589 nm
Prism	Sapphire
Sample cell	Stainless steel

Detection	High resolution linear CCD
Display	7 inch FTF colour touch screen
Data capacity	32 G
Output	USB, RS232, RJ45, SD card, U disk
User management	Four-level authority management
21 CFR PART 11	Yes
Audit trail	Yes
Electronic signature	Yes
Custom method library	Yes
Wi-Fi printing	Yes
Export in multiple file format	PDF, Excel
Power	220 V / 50 Hz
Packing dimension	440 x 400 x 340 mm
Gross weight	10 Kg

Features

- ˆ Built-in Peltier temperature control to further improve precision and consistency
- ˆ Fully compliant with 21 CFR Part 11 regulatory requirements
- ˆ Includes a dual temperature control shield and durable sapphire prism for optimal performance
- ˆ Utilizes a long-life LED light source for stable and efficient illumination

- ˘ Supports statistical data retrieval and network printing capabilities
- ˘ Designed with an easy-to-use touch screen interface for user-friendly operation
- ˘ Built with superior chemical resistance for long-term durability in harsh environments
- ˘ Sample cell constructed with high-quality stainless steel for strength and corrosion resistance

Applications

- ˘ Used in measuring sugar content of solutions in laboratories, brewing and food industry, chemical industry, research institutes, pharmaceuticals, cosmetic industry, petroleum industry, etc.



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